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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

CD NO. 25X1A

▲ COUNTRY USSR (Ukraine)

SUBJECT Industries in Kharkov

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SUPPLEMENT TO
REPORT NO. 1

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1. The Kharkov Electro-Motor Factory is located about two kilometers east of the eastern edge of the residential district of Kharkov (50-00N, 36-15E). It is south of the double track railway which runs east of the Serp i Molot Agricultural Machine Factory and then turns east. An east-west arterial road runs along the southern edge of the factory district. (See Attachment A for location and Attachments B and C for details.)

2. The size of the factory area is about 1000 x 1200 m. The main shop is the Kharkov Electro-Motor Factory (XOMB), and a secondary shop is the Kharkov Turbine and Generator Factory (XTRE). (See Attachments B and C.)

3. Three shifts work in the electro-motor factory. There are approximately 4,500 workers in each of the two main shifts and fewer in the third shift, which is at night.

4. Production at the electro-motor factory is as follows:

 - 6 sizes of electric motors: 15, 25, 45, 75, 90, and 140 kilowatts. About 4,000 of these motors are produced a month, of which 2,500 are of sizes 3-5.
 - Electric motors of 25-45 kilowatts in watertight steel casings, about 60 cm. long and weighing 250 kilograms. Somewhat more than 300 of these are produced a month.
 - 4 sizes of generators: 6,000, 9,000, 12,000, 15,000 volts. About 15 a month.
 - Submarine turbines, semicircular, about 2.4 m. long, 1.8 m. wide, and 1.4 m. high. 40 or 50 of these are produced a month.
 - Plate-shaped switches for submarine mines, 60 cm. in diameter, weighing 45 kg. About 1000 of these are produced each month.
 - Transformer-rheostats, production unknown.
 - Seamless tubes, 8 cm. in diameter, 5 mm. thick, and 12 m. long. Production is small but is increasing.

5. The Kharkov Tank Factory is sometimes referred to as Zavod 705. The factory grounds cover an area of 1200 x 1400 m. (See Attachment D.)

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[REDACTED]

Until February or March 1947, the tank factory produced the old model T-34 tank with the 76 mm. gun. Since that time, the newer model with the 85 mm. mounted gun has been produced. Twin antiaircraft guns of about 25 mm. caliber are mounted on the turret of the newer model T-34. Every two weeks, from 6 to 10 tanks are driven to a park east of the factory, where they are tested.

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7. The Kharkov Serp i Molot Agricultural Machine Factory is located east of the city and immediately northwest of the curve in the railroad track (see Attachment A for location and Attachment E for details). [REDACTED]
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8. Threshing machines to be used with tractors are produced here. These are mostly a box-type thresher, painted orange, and measuring 4 m. long, 2.5 m. high, and 1.5 m. wide. Size of output can not be confirmed, but allegedly it is very big. Quality is said to be inferior, and, considering the hasty manufacture, the threshing machines should quickly become defective.

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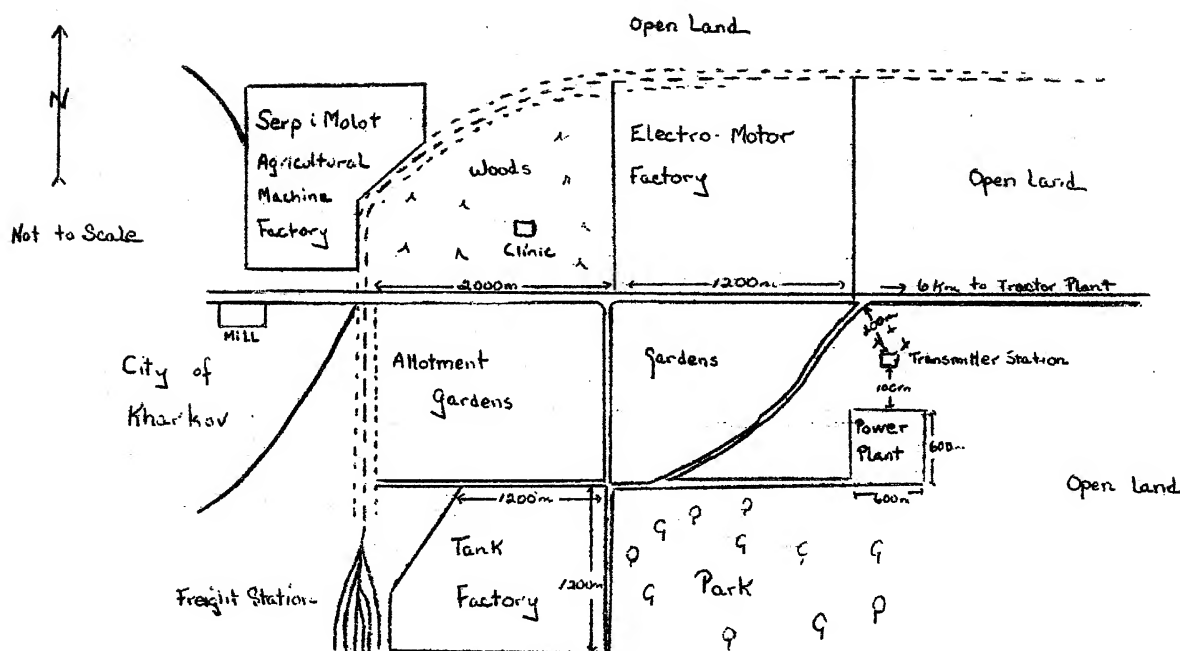
[REDACTED] Comment:

Although the text of this report is very brief, the value of the report lies in the attachments, which are drawn in some detail.

Attachments:

- A. Industrial Installations East of Kharkov
- B. Kharkov Electro-Motor Factory and Turbine and Generator Factory
- C. Details of Attachment B
- D. Kharkov Tank Factory
- E. Serp i Molot Agricultural Machine Factory in Kharkov

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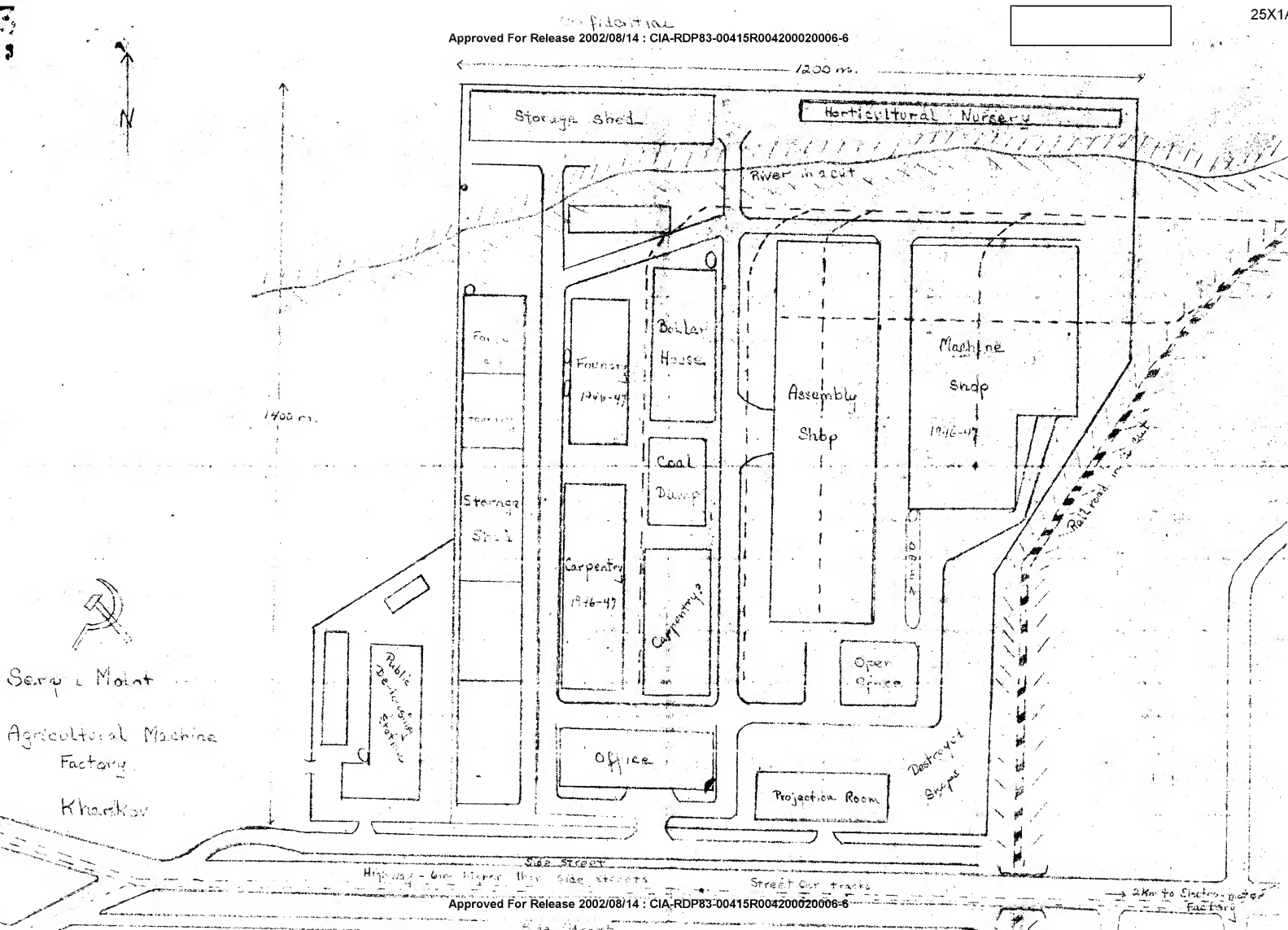


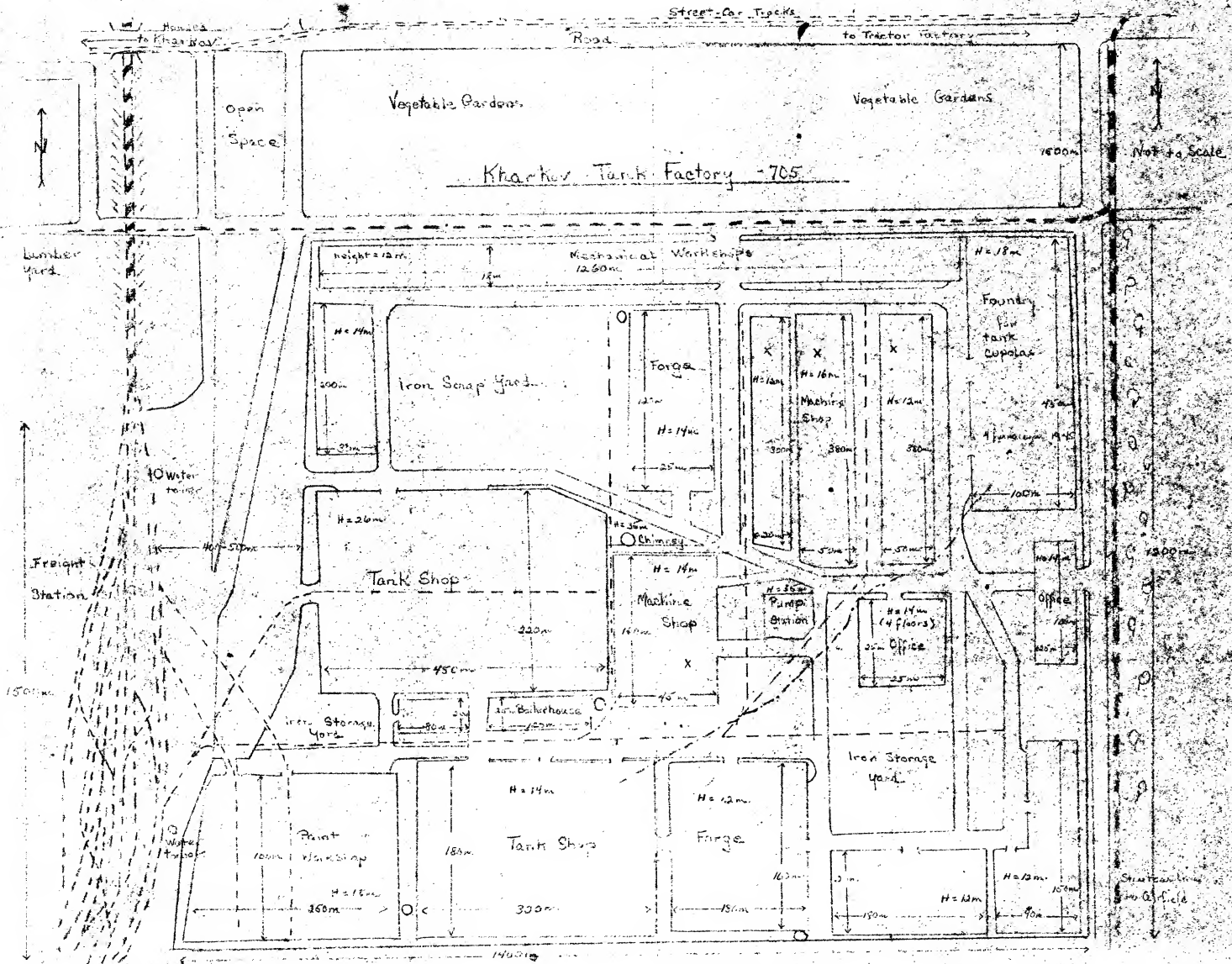
Industrial Installations East of Kharkov in the Ukraine

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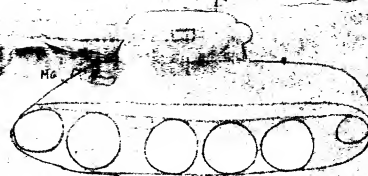
Attachment A

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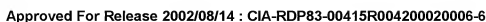


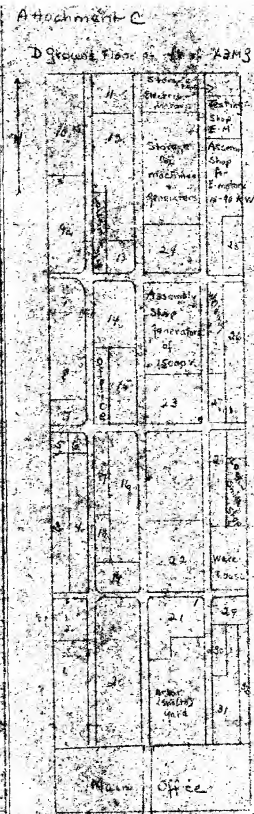
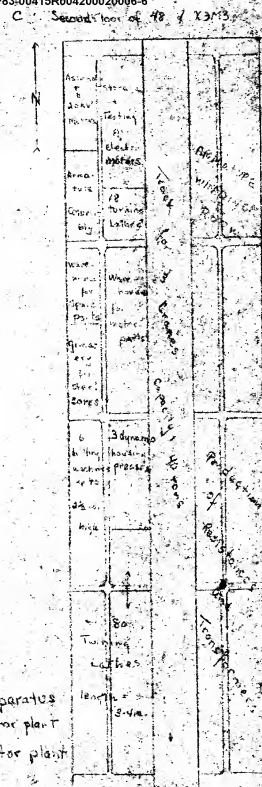
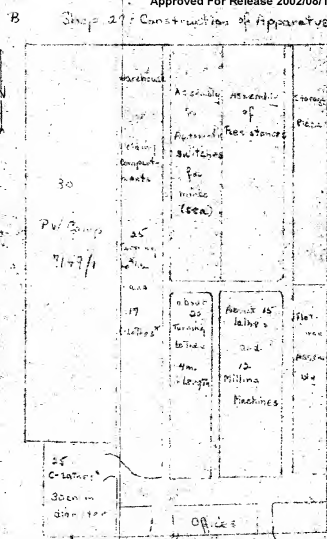
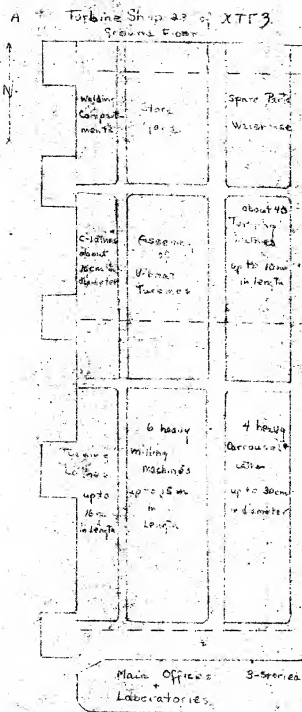
Kharkov Tank Factory



1. Fire Department
2. Garage
3. Clubhouse Garage
4. Swelling house
5. New foundry for incoming material: 3 coke furnaces
6. Old foundry for incoming material: 3 coke furnaces
7. Coke heap
8. Guard unit
9. Electric drill
10. Machine Storage shed
11. Welding shop
12. Gate Keeper's house with turbine shop
13. School

14. Administration building
15. Factory kitchen
16. Turbine forge
17. Carpentry
18. Shed for construction material
19. Concrete shop
20. Turbine foundry
21. Model for turbines
22. Mechanics of construction
23. Turbine shop
- 24, 25, 26. Sales booths
27. Stalin Monument
28. Pool
29. Construction of Apparatus
30. PW Camp 7149/1
31. Pump station
32. 6-2 installation shop
33. Pool
34. Party office
35. New building, purpose unknown
36. Rivet and screw production shop
37. Automatic machine and turner's shop
38. Forge and wire drawing-mill
- 39, 40. Gate keepers' houses
41. Bath and disinfection
42. First aid station and dispensary
43. Storehouse
44. Production of insulating paper
45. Model shop
46. Office
47. Laboratory
48. Machine shop with turner's shop
49. Sheet metal shop
50. Oil storage
51. Administration building
52. Smoke stack, 40 m. high, 3 m. in diam.
53. Warehouse
54. Lacquer factory
55. Utilization of steel shavings
56. Shaving mill
57. Oil cellar
58. Oil-storage tanks, 3 m. high, 3 m. in diam.
59. Water tank
60. Auto repair shop
61. Carpentry
62. Warehouse
63. Repair workshop
64. RR station
65. Carpentry
66. Sawmill
67. Engine storage and loading shed





Enlargements of Attachment B

- A. Item 23 - ground floor; turbine shop
- B. Item 29 - shop for construction of apparatus
- C. Item 48 - Second floor of electro-motor plant
- D. Item 48 - ground floor of electro-motor plant

* All lathes with horizontal face plates
H - height
L - length
D - diameter

XTFS - Kharkov Turbine and Generator Factory
XMB - Kharkov Electro-motor Factory

Kharkov Electro-motor and Turbine and Generator Factory

Legend for D

- | | | | |
|---------------------------|----------|-----------------------------------|------------|
| 1. 4 plate shears | H = 3m | 17. 7 C-lathes* | D = 2m |
| 2. 4 large punch presses | H = 3m | 18. 2 milling machines | L = 4m |
| 3. 4 large punch presses | H = 3m | 19. 20 drilling machines | H = 2.5m |
| 4. 26 small punch presses | H = 1.5m | 20. Heavy lathes | L = 10-16m |
| 5. 2 milling machines | L = 3.5m | 21. 5 milling machines | L = 6m |
| 6. 8 screw drill machines | D = 2.5m | 22. 12 C-lathes* | D = 2m |
| 7. 3 drilling machines | H = 1.5m | 23. 3 heavy lathes | H = 3m |
| 8. 11 lathes | | 24. 2 heavy lathes | H = 3m |
| 9. 10 heavy lathes | | 25. 2 heavy lathes | H = 3m |
| 10. 10 heavy lathes | | 26. 2 heavy lathes | H = 3m |
| 11. 10 heavy lathes | | 27. 6 lathes | L = 3m |
| 12. 10 heavy lathes | | 28. 8 C-lathes* | D = 2m |
| 13. 10 heavy lathes | | 29. 3 milling machines for shafts | |
| 14. 10 heavy lathes | | 30. 5 grinding stones | |
| 15. 11 lathes | | 31. 10 lathes | L = 3-4m |
| 16. 2 heavy C-lathes | | 32. 43 steel dies for shafts | |

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